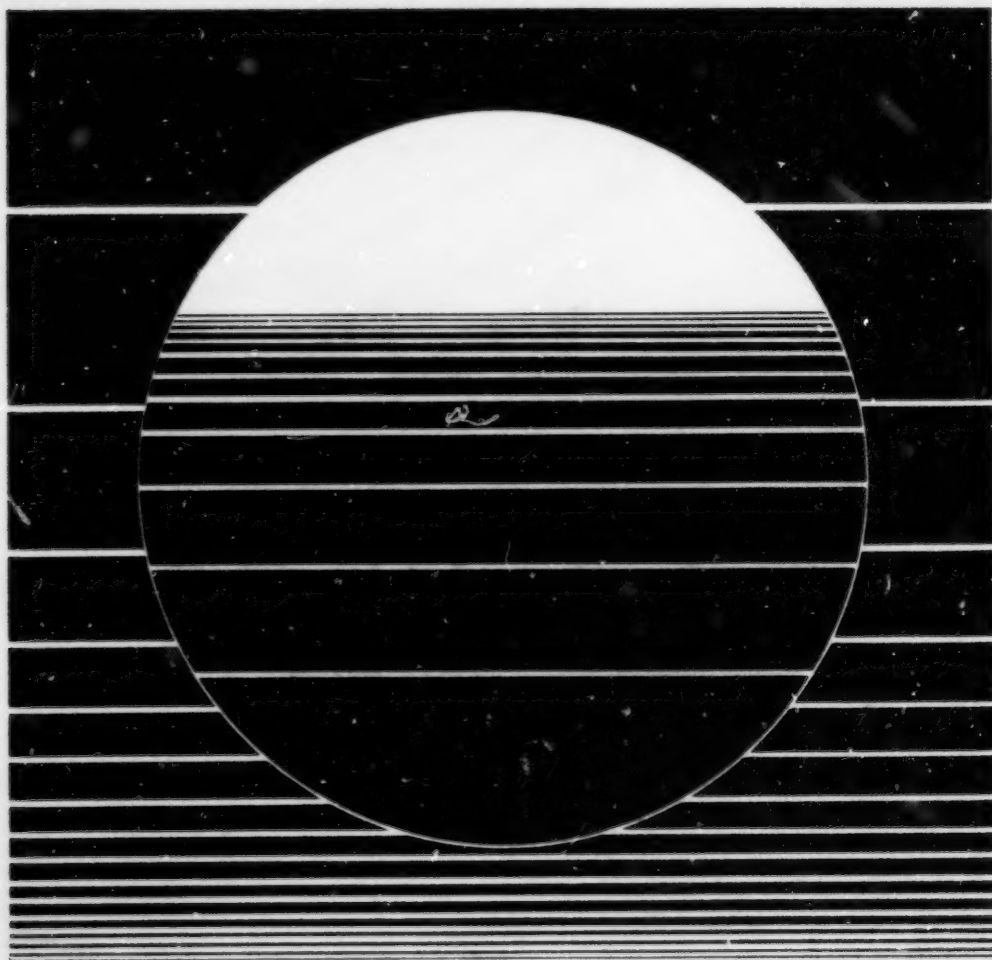


1985 ENERGY AND MINES BIBLIOGRAPHY

ENERGY AND MINES INFORMATION CENTRE



**Manitoba
Energy and Mines
Communications and
Community Relations**



INTRODUCTION

In 1980, the Manitoba Energy and Mines opened the Energy Information Centre with a commitment to helping Manitobans find energy answers. Since that time the Centre has provided Manitoba homeowners, business people, educators and students with practical information on the efficient and economical use of energy.

In 1984, with the consolidation of the Department's Energy and Mines Divisions, the Information Centre expanded its capability to include minerals and mining information. With this change in direction came a corresponding new name, the ENERGY AND MINES INFO CENTRE.

The Info Centre retains its traditional stock of energy information ranging from home energy upgrading, alternative fuels and industrial energy conservation to Government grants and loans. Now, in addition, the Centre has available selected publications on the history and location of Manitoba minerals and mining operations.

For easy reference, the Centre has compiled this Energy and Mines Bibliography of all publications and brochures available at the Centre. Categorized by subject area -- such as hydro power, non-renewables, minerals, home heating and transportation -- each publication is listed alphabetically by name.

Due to limited quantities of many publications, bulk orders and out-of-province requests should be directed to the source (see Appendix C). The Centre has also established a lending policy for certain reference publications. All inquiries and arrangements can be made by contacting the Energy and Mines Information Centre.

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AGRICULTURE:

AGRICULTURAL RESOURCES FOR ETHANOL PRODUCTION. Agriculture Canada. - Engineering & Statistical Research Institute. (1980) 14 p.

The potential of producing ethanol from agricultural resources in Canada.

ALCOHOL FUELS FROM AGRICULTURE - A DISCUSSION PAPER. Agriculture Canada. - Engineering & Statistical Research Institute. (1980) 85 p.

The opportunities and constraints surrounding the production and use of alcohol fuels in Canada.

ALCOHOLS FROM CELLULOSE - AGRICULTURAL RESOURCES. Agriculture Canada. - Engineering & Statistical Research Institute. (1976) 16 p.

The potential of producing alcohol from cellulose through agricultural resources.

BIOMASS ENERGY FOR AGRICULTURE. Agriculture Canada. - Engineering & Statistical Research Institute. (1979) 3 p.

The feasibility of producing biomass energy from agricultural residues and developing crops specifically for this purpose.

ENERGY CONSERVATION IN GREENHOUSES. Agriculture Canada. - Engineering & Statistical Research Institute. (1981) 27 p.

Principles of operating commercial greenhouses by incorporating energy efficient measures.

ENERGY COSTS OF CANADIAN AGRICULTURE. Agriculture Canada. - Engineering & Statistical Research Institute. (1976) 21 p.

Energy input to Canadian agriculture and ways to increase the efficiency.

ENERGY CROPS - WHAT LITTLE WE KNOW. Agriculture Canada. - Engineering & Statistical Research Institute. (1981) 14 p.

A discussion paper on potential energy crops.

ENERGY IN AGRICULTURE. Agriculture Canada. - Engineering & Statistical Research Institute. (1980) 24 p.

Potential energy conservation measures in the Canadian agriculture and food system.

ENVIRONMENTAL CONTROL FOR REDUCING ENERGY WASTE IN FARM BUILDINGS. Ontario Hydro. 45 p.

Insulation and ventilation of agricultural buildings.

FARM BUILDING AIR TO AIR HEAT EXCHANGER. Manitoba Energy and Mines. (1984) 1 p.

The installation of an air to air heat exchanger in a livestock barn to demonstrate heat recovery and improved health conditions for animals.

Project #44 (83-163) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

FARM BUILDING INSULATION. Manitoba Hydro. (1980) 22 p.

Insulation and ventilation of agricultural buildings.

FARM-SCALE PRODUCTION AND USE OF FUEL ALCOHOL: OPPORTUNITIES AND PROBLEMS. Agriculture Canada. - Communications Branch. (1980) 9 p. (English and French)

The opportunities and potential problems of producing and storing fuel alcohol (ethanol).

FARMSTEAD PLANNING. Agriculture Canada. - Communications Branch. (1979) 17 p.

Factors to consider when expanding or building a farmstead.

4-H ELECTRIC CONSERVATION CLUB. Ontario Hydro. (1979) 35 p.

Agricultural electricity energy conservation kit developed by the 4-H Club.

GUIDELINES TO ENERGY CONSERVATION AND WIRING ON THE FARM. Ontario Hydro. (1979) 43 p.

General energy conservation on the farm plus technical applications of wiring agricultural buildings.

LIVESTOCK VENTILATION HEAT RECOVERY SYSTEMS. Saskatchewan Agriculture.
(1962) 28 p.

The application of ventilation and heat recovery systems for livestock buildings.

PRESENT USE OF ENERGY ON CANADIAN FARMS. Agriculture Canada. - Engineering & Statistical Research Institute. 21 p.

Energy uses and potential developments of biomass forms of energy in agriculture.

BIOMASS & ALTERNATE ENERGY:

AGRICULTURAL RESOURCES FOR ETHANOL PRODUCTION. Agriculture Canada. -
Engineering & Statistical Research Institute. (1980) 14 p.

The potential of producing ethanol from agricultural resources in Canada.

ALCOHOLS FROM CELLULOSE - AGRICULTURAL RESOURCES. Agriculture Canada. -
Engineering & Statistical Research Institute. (1976) 16 p.

The potential of producing alcohol from cellulose through agricultural resources.

BIOENERGY: THE F.I.R.E. STORY. Energy, Mines and Resources Canada (1984)
32 p.

A summary of projects funded under the Forest Industry Renewable Energy program.

BIOMASS ENERGY FOR AGRICULTURE. Agriculture Canada. - Engineering &
Statistical Research Institute. (1979) 3 p.

The feasibility of producing biomass energy from agricultural residues and developing crops specifically for this purpose.

THE BIOMASS ENERGY INSTITUTE. (1982) 12 p.

The history and purpose of the "Biomass Energy Institute".

CANADIAN ALTERNATE FUELS. Biomass Research Institute. (1983) 32 p.

An outline of various alternate fuels presently being developed in Canada.

ENERGY ALTERNATIVES. University of Manitoba Bookstore. (1981) 263 p.
\$4.95.

A report outlining alternative sources of energy for Canada, compiled by the Special Committee on Alternative and Oil Substitution.

ENERGY CROPS - WHAT LITTLE WE KNOW. Agriculture Canada. - Engineering & Statistical Research Institute. (1981) 14 p.

The feasibility of developing agricultural crops specifically for energy use.

FACTS ON BIOENERGY. National Research Council. (1982) 7 p.

The production of methane from organic wastes with technical considerations and economic analysis.

FOREST INDUSTRY RENEWABLE ENERGY (F.I.R.E.). Energy, Mines and Resources Canada. (1979) 10 p.

A brochure outlining the Federal "Forest Industry Renewable Energy" Program.

GENSTAR CEMENT LIMITED USE OF AGRICULTURAL WASTES AS SUPPLEMENTARY KILN FUELS. Manitoba Energy and Mines. (1984) 2 p.

A project to determine the efficiency and feasibility of burning flax shives as a cement kiln fuel supplement.

Project #39 (82-145) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

GEOTHERMAL ENERGY. United States Department of Energy. - Office of Public Affairs. (1980) 15 p.

Environmental and economical aspects of producing geothermal energy in the United States.

POTENTIAL OF ETHANOL AS A MOTOR VEHICLE FUEL. United States General Accounting Office. (1980) 28 p. \$3.25

A study to determine the feasibility of producing ethanol to be used as a motor vehicle fuel.

COMMERCIAL, INDUSTRIAL & RECREATIONAL:

ACOUSTIC INSULATION FACTOR: A RATING FOR THE INSULATION OF BUILDINGS AGAINST OUTDOOR NOISE. B.R.N. #148. National Research Council (1980) 37 p.

Technical report on acoustical ratings of various types of insulation.

ANNUAL ENERGY CONSUMPTION DATA ON APARTMENT BUILDINGS. B.R.N. #181. National Research Council (1982) 17 p.

Technical report on apartment building energy consumption.

1983 CANADIAN DIRECTORY OF ENERGY CONSERVATION PRODUCTS AND SUPPLIERS. Energy, Mines and Resources Canada. (1982) 68 p.

A directory of Canadian energy products and suppliers aimed at the Commercial, Industrial and Institutional sectors.

CANADIAN INDUSTRY PROGRAM FOR ENERGY CONSERVATION - 1981 REPORT. Energy, Mines and Resources Canada. (1982) 82 p.

An annual report outlining the progress, goals and achievements of the C.I.P.E.C.

CARBON DIOXIDE MEASUREMENT IN OPEN CLASSROOM SCHOOL WITH OUTSIDE AIR SUPPLY DAMPER CLOSED TO CONSERVE ENERGY. B.R.N. #169. National Research Council. (1980) 12 p.

A report on carbon dioxide levels in schools.

COGENERATION AND WASTE HEAT RECOVERY. Manitoba Energy and Mines. (1982) 30 p. (approx.)

The final report of a study to determine the potential of developing industrial cogeneration and waste heat recovery in Manitoba.

Project #18 (81-52) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

COMMUNITY ARENA RETROFITS. Manitoba Energy and Mines. (1983) 1 p.

Six arenas throughout Manitoba will implement retrofit measures such as modified electrical control systems and waste heat recovery, to demonstrate the effectiveness of these conservation techniques to other community arenas.

Project #29 (82-119) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

COMPUTERIZED ENERGY MANAGEMENT SYSTEM. Manitoba Energy and Mines. (1983) 1 p.

The Installation of a computerized energy management system at the Rolling River School Division. Estimated annual energy savings \$35,600.00.

Project #38 (82-144) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

DESIGN GUIDELINES FOR ENERGY CONSERVATION IN SKATING RINKS AND ARENAS. Ontario Government Bookstore. (1979) 118 p. \$2.50

A guide for building skating rinks and arenas with energy efficient features incorporated in the architectural, mechanical and electrical design.

DEVELOPMENT OF PWC CAPABILITY IN THERMOGRAPHIC DIAGNOSIS OF BUILDING ENVELOPE DEFICIENCIES. REPORT #27. Public Works Canada. (1979) 80 p.

Development of thermography by Public Works Canada.

DIRECT CONTACT FLUE GAS HEAT RECUPERATOR. Manitoba Energy and Mines. (1984) 60 p.

The final report of a heat recuperator installed for recovering heat from boiler flue gases and using it to heat recirculating water at the Winnipeg Canada Packers plant.

Project #10 (81-71) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

DIRECT CONTACT HEAT RECUPERATOR. Manitoba Energy and Mines. (1982) 1 p.

The installation of a heat recuperator for the purpose of using waste heat from boiler flue gases to heat recirculating water in the Winnipeg Canada Packers plant.

Project #10 (81-71) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

DISTRICT HEATING STUDY. Manitoba Energy and Mines. (1982) 1 p.

Phase Two of a study to determine the viability of district heating for downtown Winnipeg.

Project #13 (80-22) under the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

EFFECT OF EXTENDED PERIODS OF USE ON ANNUAL ENERGY CONSUMPTION OF OFFICE BUILDINGS. B.R.N. #161. National Research Council. (1980) 18 p.

A study to determine energy budgets for office buildings based on degree days, infiltration rates, envelope to floor ratio, hours of operation per day and days of operation per year.

ENERGY CONSERVATION AND BUILDING DESIGN. B.R.N. #110. National Research Council. (1976) 8 p.

New building design with energy conservation details incorporated and utilization of alternate forms of energy.

ENERGY CONSERVATION FOR INDOOR POOLS. Manitoba Energy and Mines/Energy, Mines and Resources Canada. (1984) 65 p.

A manual, outlining indoor pool retrofits throughout Manitoba. Retrofits include general insulating and upgrading of heating, ventilating, lighting and electrical systems.

ENERGY CONSERVATION FOR INDOOR ICE RINKS. Manitoba Energy and Mines/Energy, Mines and Resources Canada. (1984) 70 p.

A manual outlining indoor ice rink retrofits throughout Manitoba. Retrofits include general insulation, upgrading the ice plant, heating and ventilation system, plus the water, light and electrical systems.

ENERGY CONSERVATION IN EXISTING ARENAS - THREE CASE STUDIES. Ontario Government Bookstore. (1979) 80 p. \$4.00

This study discusses four areas of arena retrofit: architectural, refrigeration, mechanical and electrical.

ENERGY CONSERVATION OPPORTUNITIES FOR DOWNTOWN REDEVELOPMENT PROJECTS: THE BRANTFORD CASE. Ontario Government Bookstore. (1982) 24 p. \$3.50

A guide for implementing energy conservation measures in downtown redevelopments, aimed at Municipal planners, engineers and developers.

ENERGY EFFICIENT MOTORS. Manitoba Hydro. (1982) 1 p.

Design characteristics of energy efficient motors.

ENERGY MANAGEMENT COURSE FOR BUILDING MANAGERS. Manitoba Energy and Mines. (1983) 1 p.

A pilot course offered in 1980 to train building managers energy efficient methods of building operation.

Project #9 (80-16) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

ENERGY MANAGEMENT COURSE FOR BUILDING MANAGERS. Manitoba Energy and Mines. (1984) 60 p.

The final report of a pilot course, offered in 1980, to train building managers energy efficient methods of building operation.

Project #9 (80-16) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

ENERGY MANAGEMENT FOR CANADIAN FOOD AND BEVERAGE INDUSTRIES. Agriculture Canada. - Communications Branch. (1981) 30 p.

A guide to energy conservation and management for the Canadian food and beverage industry.

ENERGY MANAGEMENT FOR HOTELS AND RESTAURANTS. Manitoba Hydro. (1983) 13 p.

Tips for reducing energy consumption in hotels and restaurants.

ENERGY RECOVERY FROM DRYERS. Manitoba Energy and Mines. (1982) 1 p.

The installation of a heat recovery system to preheat outside air with heat transferred from the filtered dryer exhaust system of the Perth's Dry Cleaning plant in Winnipeg, Manitoba.

Project #20 (81-81) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

ENERGSAVE FOR INDUSTRY AND COMMERCE, #1-10. Energy, Mines and Resources
Canada. (1980) 10 booklets

A series of ten booklets directly related to energy conservation in the Commercial and Industrial Sector.

- #1 Guidebook/Index
- #2 Heating, Cooling & Lighting
- #3 Process Design & Heat Recovery
- #4 Production Optimization
- #5 Combustion Control
- #6 Steam & Compressed Air Management
- #7 Transportation & Delivery
- #8 Efficient People Moving
- #9 Office Practices
- #10 Employee Motivation & Participation

ENERGSAVE FOR MUNICIPALITIES: A GUIDE TO MUNICIPAL ENERGY SAVINGS. Energy,
Mines and Resources Canada. (1982) 10 booklets

- #1 Municipalities and Energy - An Introduction
- #2 Designing An Energy Management Program
- #3 Energy and Urban Planning
- #4 Auditing Municipal Energy Use
- #5 Financial Analysis of Conservation Measures
- #6 Saving Energy in Municipal Buildings
- #7 Saving Energy in Street Lighting
- #8 Saving Energy in the Vehicle Fleet
- #9 Energy and Urban Transportation
- #10 Municipal Energy Savings - Case Studies

ENERSCHOOL: ENERGY CONSERVATION FOR MANITOBA SCHOOLS. Manitoba Energy and
Mines/Energy, Mines and Resources Canada. (1984) 61 p.

A manual outlining major and minor school retrofits throughout Manitoba. Retrofits include general insulation upgrading H.V. & A/C systems plus water, lighting and electrical systems.

FIRST STEPS TO ENERGY CONSERVATION FOR BUSINESS. Energy, Mines and
Resources Canada. (1980) 21 p.

How to audit energy consumption and an energy checklist for businesses.

HEAT RECOVERY FROM COLD STORAGE UNIT. Manitoba Energy and Mines. (1982) 1 p.

To demonstrate how heat can be recovered from a refrigerator exhaust system to heat the dry storage, loading dock and underfloor of the cold storage area at the Westco Storage facility.

Project #24 (81-70) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

MAJOR SCHOOL RETROFITS "ENERSCHOOL". Manitoba Energy & Mines. (1983) 1 p.

The development of a major school retrofit program for Manitoba schools. Retrofits include the installation of heat recovery systems and modifications to the electrical control systems and lighting.

Project #27 (83-151) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

MINOR SCHOOL RETROFITS "ENERSCHOOL". Manitoba Energy and Mines. (1983) 1 p.

The development of a minor retrofit program for Manitoba schools. Retrofits include the installation of heat recovery equipment, modifications to the electrical control system and lighting.

Project #27 (83-151) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

MISSISSAUGA CITY CENTRE ENERGY STUDY. Ontario Government Bookstore. (1982) 162 p. \$5.00

A study to determine the economic feasibility and energy conservation measures which should be implemented for the development of the Mississauga core area.

THE NATIONAL ENERGY AUDIT PROGRAM: FOR INDUSTRY, COMMERCE AND INSTITUTIONS. Energy, Mines and Resources Canada. (1982) 1 p.

Background information on the Commercial and Industrial Energy Audit Program administered by the Federal and Provincial Governments.

A NEW DEVICE FOR MONITORING LIGHTING ENERGY CONSUMPTION. B.R.N. #128. National Research Council. (1978) 8 p.

A technical report on a monitoring device which measures energy consumption of artificial lighting.

OPERATING GUIDELINES FOR ENERGY CONSERVATION. Public Works Canada. (1982) 16 p.

A guideline for reducing energy consumption in commercial buildings through heating and cooling, ventilation and lighting.

OVEN EXHAUST HEAT PIPE - INVENTRONICS LTD. Manitoba Energy and Mines (1984) 1 p.

The installation of heat pipes (thermo siphons) on the oven hot, exhaust duct to preheat the incoming make-up air and to reduce fouling in the exhaust stream. Expected energy savings, 848 MCF natural gas annually.

Project #41 (83-158) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

PATTERNS OF LIGHTING USE IN A LARGE OPEN-PLAN OFFICE. 1. PRELIMINARY STUDY AND EVALUATION. B.R.N. #129. National Research Council. (1978) 13 p.

A technical study to determine typical lighting energy consumption in a large open-plan office building.

PATTERNS OF LIGHTING USE IN A MEDIUM OPEN-PLAN OFFICE. 2. B.R.N. #139. National Research Council. (1979) 5 p.

A technical study to determine typical lighting energy consumption in a medium open-plan office.

PATTERNS OF LIGHTING USE IN A SCHOOL CLASSROOM. B.R.N. #132. National Research Council. (1978) 18 p.

A study to determine patterns and use of lighting in a typical school classroom.

RECORDED ENERGY CONSUMPTION DATA ON OFFICE BUILDING. B.R.N. #182. National Research Council (1982) 10 p.

A technical report to determine total energy consumption in office buildings across Canada.

RECORDED ENERGY CONSUMPTION IN SCHOOL BUILDINGS. B.R.N. #180. National Research Council (1982) 40 p. (approx.)

A technical report to determine total energy consumption of schools across Canada.

REFRIGERATION WASTE HEAT RECOVERY - WESTCO STORAGE LTD. Manitoba Energy and Mines. (1984) 25 p.

The final report of a heat recovery system installed at Westco Storage. Heat is recovered from the refrigerator exhaust system and used to heat the dry storage area, loading dock and underfloor of the cold storage area.

Project #24 (81-70) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

REHEAT FURNACE ENERGY CONSERVATION. Manitoba Energy and Mines. (1983) 1 p.

A study conducted at Manitoba Rolling Mills to determine the most cost effective method of reducing energy consumption.

Project #28 (82-114) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

RELATION BETWEEN THERMAL RESISTANCE AND HEAT STORAGE IN BUILDING ENCLOSURES. B.R.N. #126. National Research Council (1979) 13 p.

A report which discusses graphical form relations that can be used to estimate the "trade-off" between the mass and the thermal resistance of the building enclosure.

STUDY OF COGENERATION AND WASTE HEAT UTILIZATION IN MANITOBA. Manitoba Energy and Mines. (1982) 1 p.

A study to determine the potential of developing industrial cogeneration and waste heat recovery in Manitoba.

Project #18 (81-52) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

THERMOGRAPHIC DIAGNOSIS OF BUILDING ENVELOPE DEFICIENCIES #28. Public Works Canada. (1979) 63 p.

The use of thermography in the "Fathers of Confederation Centre for the Arts", Charlottetown, P.E.I.

THERMOGRAPHY - A NEW BUILDING SCIENCE TOOL #29. Public Works Canada. (1979) 55 p.

The principles of thermography as a tool for locating, identifying and assessing deficiencies in building enclosures.

URBAN RECREATION CENTRE RETROFIT. Manitoba Energy and Mines. (1983) 1 p.

Four recreation centres throughout Manitoba have implemented retrofit measures such as waste heat recovery, sealing and energy efficient lighting to reduce overall energy consumption and to demonstrate these techniques to similar recreation facilities.

Project #31 (82-127) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

WASTE HEAT RECOVERY. Manitoba Energy and Mines. (1982) 1 p.

To recover waste heat produced by the refrigeration system for use in space heating the Elm Creek Curling Club.

Project #11 (81-55) under the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

WASTE HEAT RECOVERY. Manitoba Energy and Mines. (1982) 1 p.

Waste heat from the Portage la Prairie Curling Rink is recovered, to heat shopping mall, curling rink, viewing area and hotel.

Project #34 (82-121) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

WASTE HEAT RECOVERY - ELM CREEK CURLING CLUB. Manitoba Energy and Mines. (1983) 10 p.

The final report of the waste heat recovery system installed in the Elm Creek Curling Club.

Project #11 (81-55) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

WINNIPEG DISTRICT HEATING STUDY PHASE I. Manitoba Energy and Mines. (1984) 100 p.

The City of Winnipeg District Heating Study - Final Report Phase 1.

Project #13 (80-22) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

ENERGY EDUCATION:

ENERGY MANAGEMENT FOR THE FUTURE - A SOURCE BOOK OF IDEAS AND ACTIVITIES FOR ENERGY CONSERVATION LEARNING PROGRAMS. Energy, Mines and Resources Canada. (1980) 127 p.

A teacher's guide relating to managing energy for all grade levels and subject areas.

FORT WHYTE CENTRE FOR ENVIRONMENTAL EDUCATION. Manitoba Energy and Mines. (1982) 1 p.

Low energy design techniques have been incorporated into the construction of the Fort Whyte Centre for Environmental Education to promote energy efficient construction.

Project #35 (82-102) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

ENERGY IN CANADA:

ENERGY CONSERVATION TECHNOLOGIES AND THEIR IMPLEMENTATION. Minister of Supply and Services Canada. (1982) 93 p.

A report outlining Canadian conservation technologies and their implementation, by the Task Force on Energy Conservation Technologies.

ENERGY UPDATE 1981. Energy, Mines and Resources Canada. (1981) 49 p.

An overview of Canadian renewable and non-renewable energy including conservation measures to 1981.

THE NATIONAL ENERGY PROGRAM 1980. Energy, Mines and Resources Canada. (1980) 115 p.

National decisions and policies developed by the Government of Canada to encourage energy security, to further develop the petroleum industry and promote fairness to all Canadians.

THE NATIONAL ENERGY PROGRAM 1980 - HIGHLIGHTS. Energy, Mines and Resources Canada. (1980) 26 p.

A general background to the Canadian National Energy Program highlighting the policy decisions.

THE NATIONAL ENERGY PROGRAM UPDATE 1982. Energy, Mines and Resources Canada. (1982) 94 p.

The progress of the Canadian National Energy Program 1980 including new measures that have been implemented.

THE NATIONAL ENERGY PROGRAM UPDATE 1982. A SUMMARY. Energy, Mines and Resources Canada. (1982) 29 p.

A summary of the 1982 National Energy Program Update.

GEOLOGY AND MINING:

ANNUAL REPORT OF THE MINERAL RESOURCES DIVISION 1982-83. Manitoba Energy and Mines. (1984) 35 p.

Annual report of the division for the fiscal year ending March 31, 1983. Report contains a descriptive and statistical record of activities and achievements in the mineral resource sector.

COMMON ROCKS IN MANITOBA. Educational Series ES 76-1. Manitoba Energy and Mines. (1976) 40 p. \$2.00.

Introduction to study of rocks for layperson in Manitoba. Brief preliminary account of Manitoba's geology; identifies localities in which various rocks occur and explains formation and identification.

GEOLOGICAL MAP OF MANITOBA. Map 79-2. Manitoba Energy and Mines. (1979)

Wall size map of Manitoba at a scale of 1:1 000 000. Depicts subdivision and distribution of rock types in the Phanerozoic and precambrian regions of the province in 61 colored units.

GEOLOGICAL SERVICES AND MINES BRANCH PUBLICATION PRICE LIST. Manitoba Energy and Mines. (1984) 32 p.

Listing of Publications produced by the Geological Services Branch and Mines Branch. Publications describe the geology of the province and its mineral resource base and are of a technical nature, designed to assist the mining industry in mineral exploration.

GOLD MINES OF MANITOBA. Educational Series ES 80-1. Manitoba Energy and Mines. (1980) 16 p.

Provides information on former gold mines in Manitoba.

Funding provided under Manitoba/Canada Mineral Exploration and Development Agreement.

MINERAL MAP OF MANITOBA. Map 80-1. Manitoba Energy and Mines. (1980)

Wall size map of Manitoba at a scale of 1:1 000 000. Depicts locations of metallic and industrial mineral properties on simplified geologic base, accompanied by index, listing the name(s) of the property and major commodities produced or in reserve. Areas of petroleum production are indicated and indexed by name of oil field or production area.

MINERALS OF MANITOBA VOLUME I: NON-METALLIC AND PEGMATITIC. Educational Series ES 78-1. Manitoba Energy and Mines (1978) 115 p. \$6.00

Summary of principal non-metallic minerals that can be seen and studied in outcrops, quarries or rock dumps in Manitoba. Numerous colour plates showing minerals and twenty-six locality maps.

MINERALS OF MANITOBA VOLUME II: METALLIC MINERALS. Educational Series ES 78-2. Manitoba Energy and Mines. (1979) 84 p. \$4.00

Summary of principal metallic minerals that can be seen and studied in outcrops, quarries or rock dumps in Manitoba. Numerous colour plates showing minerals and sixteen locality maps.

SUPERFICIAL GEOLOGICAL MAP OF MANITOBA. Map 81-1. Manitoba Energy and Mines. (1981)

Wall size map of Manitoba at a scale of 1:1 000 000. Depicts the location and extent of quaternary deposits in the province. Summary of glacial history accompanied by diagrams illustrating stages of retreat of last ice sheets to cover area and the extent of lacustrine and marine sediments deposited during and immediately following the last deglaciation.

HEATING - RESIDENTIAL:

AN AIR-TO-AIR HEAT EXCHANGER FOR RESIDENCES. University of Saskatchewan.
(1980) 12 p. \$1.00

A guide to constructing an air-to-air heat exchanger for residential use.

AIR-TO-AIR HEAT EXCHANGERS. Manitoba Hydro. (1983)

The principles and operation of air-to-air heat exchangers.

THE BILLPAYERS GUIDE TO HEATING SYSTEMS. Energy, Mines and Resources Canada. (1983) 81 p.

A guide to home heating systems; oil, gas, electricity, wood and conversion systems.

DOMESTIC CHIMNEYS AND GAS VENTS. National Research Council. (1981) 4 p.

The operation and maintenance of different types of domestic chimneys.

ELECTRIC HEATING EQUIPMENT AVAILABLE. Manitoba Hydro. (1981) 10 p.

Background information on all forms of electric heating, installation recommendations plus tips on converting a heating system to electricity.

ENERFACTS: HEAT PUMPS. Energy, Mines and Resources Canada. (1983) 1 p.

Operating principles of various types of residential heat pumps.

EQUIPMENT SIZING GUIDE #1 BETWEEN 49TH AND 53RD PARALLELS. Manitoba Hydro (1983) 1 p.

A guide for sizing residential electric heating equipment for energy efficient homes.

EQUIPMENT SIZING GUIDE #2 BETWEEN 49TH AND 53RD PARALLELS. Manitoba Hydro. (1983) 1 p.

A guide for sizing residential electric heating equipment for conventional house construction.

FRESH AIR DUCTS. Manitoba Hydro. (1983) 1 p.

How to install a fresh air duct into a forced air electric furnace, to provide a residence with adequate fresh air for controlling humidity.

GROUNDWATER HEAT PUMP. Manitoba Energy and Mines. (1982)
1 p.

To demonstrate the effectiveness of using a groundwater heat pump to reduce conventional heating costs in a residence.

Project #26 (82-107) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

HEATING WITH WOOD: A HOMEOWNER'S GUIDE. Energy, Mines and Resources Canada. (1982) 16 p.

A guide for using wood as a heat source, including tips on selecting wood, plus sizing and installing wood heaters properly.

HOT WATER TIPS. Manitoba Hydro. 1 p.

Tips on using domestic hot water efficiently.

HOW DEGREE DAYS AFFECT HEATING BILLS. Manitoba Hydro. (1983) 1 p.

An explanation of degree days and how they affect energy consumption for heating.

HOW TO REDUCE YOUR HOT WATER HEATING COSTS. Energy, Mines and Resources Canada. (1980) 3 p.

How to insulate hot water tanks and pipes, adjusting thermostat settings and general maintenance to reduce your hot water heating costs.

IMPROVING FIREPLACE EFFICIENCY - THE WOOD AIRE SYSTEM. Canada Mortgage and Housing Corp. (1984) 4 p.

Test results of the wood aire fireplace heat recovery system.

NET ANNUAL HEAT LOSS FACTOR METHOD FOR ESTIMATING HEAT REQUIREMENTS. B.R.N. #117. National Research Council. (1976) 23 p.

A technical report on calculating annual heating requirements for houses.

PERFORMANCE OF ADD-ON HEAT PUMPS IN VARIOUS PARTS OF CANADA. B.R.N. #24. National Research Council. (1981) 11 p.

A technical report for estimating electricity and oil consumption that will result from an add-on heat pump installed on an existing oil furnace.

PURCHASING AN ENERGY EFFICIENT GAS FURNACE. Energy Mines and Resources Canada (1983) 4 p.

An outline of residential gas heating systems, including type, features, efficiency and fuel savings.

RESIDENTIAL HEAT PUMPS. Manitoba Hydro. (1983) 3 p.

The operation and sizing of residential heat pumps.

RESIDENTIAL SPACE HEATING WITH THE HEAT PUMP. B.R.N. #125. National Research Council. (1978) 22 p.

Performance and economics of residential applications of the heat pump.

RESIDENTIAL WATER HEATING EQUIPMENT. Manitoba Hydro. (1983) 1 p.

A general outline of various types of electric water heaters plus a guide for sizing units properly.

THE SAFE USE OF SOLID FUEL-FIRED APPLIANCES. Manitoba Labour. (1983) 32 p.

Safety regulations for installing wood stoves, fireplaces and furnaces in Manitoba.

SELECTING A NEW FURNACE. Manitoba Energy and Mines. (1982) 16 p.

How to select a new gas furnace, including a comparison of conventional and energy efficient models and how to properly size the furnace.

SET BACK THERMOSTAT. Manitoba Hydro. (1981) 1 p.

The operation and benefits of installing a set back thermostat.

SWITCHING TO ELECTRICITY. Energy, Mines and Resources Canada. (1982) 21 p.

Considerations to make when converting residential heating systems to electricity.

SWITCHING TO NATURAL GAS. Energy, Mines and Resources Canada. (1981) 16 p.

Considerations to make when converting your oil heating system to natural gas.

TIPS FOR MAINTAINING YOUR HEATING SYSTEM. Manitoba Hydro. (1983) 1 p.

General tips for maintaining an electric heating system.

A WOOD CHIP PRIMER. Government of New Brunswick, Queen's Printer. (1983)
11 p.

The principles of operating and maintaining a woodchip heating system.

HOME CONSTRUCTION:

AIRTIGHT HOUSES AND CARBON MONOXIDE POISONING. National Research Council.
(1982) 4 p.

Causes and remedial measures of carbon monoxide poisoning in airtight houses.

BUILDING TO DOUBLE "E" STANDARDS. Manitoba Hydro (1984). 23 p.

Energy efficient housing standards developed by Manitoba Hydro and the Canadian Electrical Association.

CANADIAN WOOD-FRAME HOUSE CONSTRUCTION. Canada Mortgage and Housing Corporation. (1979) 261 p. \$3.00

Technical guide dealing with all aspects of wood frame house construction.

CHOOSING AN ENERGY EFFICIENT HOUSE. Canada Mortgage and Housing Corporation (1984). 49 p. \$3.00.

A guide for selecting an energy efficient house.

DESIGN AND CONSTRUCTION OF LOW ENERGY HOUSES IN SASKATCHEWAN. B.P.N. #30
National Research Council. (1982) 7 p.

The development of low energy housing on the Canadian Prairies.

DESIGN TECHNIQUES FOR SUPER ENERGY EFFICIENT HOUSING. Manitoba Hydro.
(1984) 3 p.

An outline of recommended design considerations for construction super energy efficient homes.

DETAIL DRAWINGS FOR PRESERVED WOOD FOUNDATION. Canadian Wood Council.
(1981) 24 p. \$1.20

A guideline of construction details for preserved wood foundations.

DETAILS OF HOUSE CONSTRUCTION. Canada Mortgage and Housing Corporation.
(1982) 1 p.

A poster illustrating technical details of house construction.

EFFICIENT SEALANT FOR LOG HOUSES. Canada Mortgage and Housing Corporation.
(1983) 4 p.

Technical aspects for sealing log homes.

ENERGY CONSERVATION IN NEW SMALL RESIDENTIAL BUILDINGS. Canada Mortgage and
Housing Corporation (1981) 73 p. \$1.50

Recommendations for energy efficient house construction based on the
publication "Measures for Energy Conservation in New Buildings".

ENERGY EFFICIENT HOUSING - A PRAIRIE APPROACH. Manitoba Energy and Mines.
(1982) 34 p.

Residential energy efficient home construction specific to the
Canadian Prairie Provinces.

ENERGY EFFICIENT HOUSING - KENSINGTON HOMES, WINNIPEG. Manitoba Energy &
Mines. (1983) 45 p.

The Final Report of an energy efficient house, constructed by
Kensington Homes, to demonstrate the cost effectiveness of a
preserved wood foundation.

Project #17 (80-2) of the Manitoba/Canada Conservation and
Renewable Energy Demonstration Agreement.

ENERGY EFFICIENT HOUSING - KENSINGTON HOMES - WINNIPEG. Manitoba Energy and
Mines. (1982) 1 p.

The construction of an energy efficient 1,865 sq. ft. home in
Winnipeg, to demonstrate the cost effectiveness of a preserved wood
foundation.

Project #17 (80-2) of the Manitoba/Canada Conservation and
Renewable Energy Demonstration Agreement.

LOG AND TIMBER STRUCTURES OF THE OTTAWA AREA. B.R.N. #145. National
Research Council. (1979) 21 p.

A comparison of three log home building techniques used during the
1800's.

LOW ENERGY BERMED HOUSING. Manitoba Energy & Mines. (1982) 1 p.

A demonstration to determine the cost effectiveness and energy savings of a bermed or semi-underground dwelling in Shoal Lake, Manitoba.

Project #14 (81-54) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY BERMED HOUSING. Manitoba Energy & Mines. (1981) 1 p.

A demonstration to determine the cost effectiveness and energy savings of a bermed or semi-underground dwelling in Swan River, Manitoba.

Project #6 (80-5) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY BERMED HOUSING - CARROLL RESIDENCE, SWAN RIVER, MANITOBA. Manitoba Energy & Mines. (1983) 40 p.

The Final Report of a demonstration to determine the cost effectiveness and energy savings of a bermed or semi-underground dwelling in Swan River, Manitoba.

Project #6 (80-5) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY BERMED HOUSING - SHOAL LAKE, MANITOBA. Manitoba Energy & Mines. (1983) 51 p.

The Final Report of a demonstration to determine the cost effectiveness and energy savings of a bermed or semi-underground dwelling in Shoal Lake, Manitoba.

Project #14 (81-54) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY HOME DESIGNS. Alberta Agriculture. (1982) 94 p. \$2.00

Design guidelines and plans for energy efficient housing.

LOW ENERGY HOUSING - CHINO - STEINBACH, MANITOBA. Manitoba Energy & Mines.
(1983) 43 p.

The Final Report of an energy efficient house constructed in Steinbach, Manitoba, to demonstrate a 14" wall technique.

Project #15 (81-72) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY HOUSING - CHINO - STEINBACH. Manitoba Energy and Mines. (1981)
4 p.

Energy efficient home construction demonstrating a low cost 14-inch wall technique.

Project #15 (81-72) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY HOUSING - FLAIR HOMES. Manitoba Energy and Mines. (1984) 46 p.

The final report of a low energy 1,050 sq. ft. home constructed to demonstrate energy efficient building techniques.

Project #3 (80-41) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY HOUSING - FLAIR HOMES WINNIPEG. Manitoba Energy and Mines.
(1981) 1 p.

Construction of a low energy 1,050 sq. ft. home in Winnipeg, Manitoba by Flair Homes Ltd., to demonstrate the techniques incorporated in energy efficient house construction.

Project #3 (80-41) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY HOUSING - MANITOBA HOMEBUILDERS ASSOCIATION. Manitoba Energy & Mines. (1981) 1 p.

The construction of a low energy house to demonstrate new building technologies to Manitoba homebuilders.

Project #12 (81-63) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

LOW ENERGY PRAIRIE HOUSING. B.P.N. #38. National Research Council.
(1982) 10 p.

A technical report outlining building techniques incorporated in low energy houses constructed in the Prairie Provinces.

MANITOBA ENERGY CONSERVATION HOUSE - SPECIFICATIONS. Manitoba Energy and
Mines. (1979) \$4.00

Building specifications for the Manitoba Energy Conservation House.

MARK XI ENERGY RESEARCH PROJECT: AIR-TIGHTNESS AND AIR-INFILTRATION
MEASUREMENTS. B.R.N. #162. National Research Council. (1980) 21 p.

An air tightness and air infiltration study of four houses, identical in floor plan and size. One home is built to conventional standards while the remaining three have energy efficient building techniques incorporated.

MARK XI ENERGY RESEARCH PROJECT: COMPARISON OF STANDARD AND UPGRADED HOUSES.
B.R.N. #160. National Research Council. (1980) 18 p.

A comparison of thermal efficiencies relating to the above mentioned project.

MARK XI ENERGY RESEARCH PROJECT: DESIGN AND CONSTRUCTION. B.R.N. #131.
National Research Council. (1978) 20 p.

A comparison of design and construction techniques relating to the above mentioned project.

MARK XI ENERGY RESEARCH PROJECT: SUMMARY OF RESULTS 1978-1981. B.R.N. #27.
National Research Council. (1982) 18 p.

Summary and results of the above mentioned project, from 1978-1981.

MEASURED ENERGY CONSUMPTION OF A GROUP OF LOW-ENERGY HOUSES. National
Research Council. (1980) 5 p. \$1.00

A report on total energy consumption and space heating requirements of approximately 50 homes constructed in the Saskatoon Area.

THERMAL ENVELOPE HOUSES. B.P.N. #31. National Research Council. (1982)
9 p.

The construction of thermal envelope houses plus advantages and limitations of this building technique.

WOOD BUILDINGS - LOG OR FRAME. B.R.N. #144. National Research Council.
(1979) 11 p.

A comparison of log housing and conventional wood frame construction.

HYDRO:

BRANDON GENERATING STATION. Manitoba Hydro 12 p.

An illustrated description of the Brandon Hydro Generating Station.

DORSEY MANITOBA HYDRO (1984) 11 p.

A description of Manitoba Hydro's Dorsey Converter Station located near Rosser, Manitoba.

ELECTRIC POWER IN CANADA 1981. Energy, Mines and Resources Canada. (1982) 56 p.

An overview of Canadian electric production, consumption, imports, exports, costs and pricing to 1981.

ELECTRIC POWER IN CANADA 1980. Energy, Mines and Resources Canada (1980) 44 p.

An overview of 1980 policy decisions that have had an effect on the planning and development of the Canadian electrical system.

FACTS ON WATER POWER. National Research Council. (1982) 9 p.

An introduction to producing hydro-electricity through tidal power, wave power and small scale generating stations.

GRAND RAPIDS. Manitoba Hydro. (1981) 20 p.

A description of Manitoba's Grand Rapids Generating Station.

A HISTORY OF HYDRO-ELECTRIC POWER IN MANITOBA. Manitoba Hydro. (1983) 24 p.

The history and development of Manitoba's hydro electric power system.

MANITOBA ELECTRICITY FACT SHEET. Manitoba Hydro (1980) 2 p.

Manitoba Hydro's generating capacity plus provincial and U.S. inter-connections.

MANITOBA - THE ELECTRICAL PROVINCE. Manitoba Hydro (1980) 1 p.

The history and development of electrical power in Manitoba illustrated with a map.

MANITOBA - THE HYDRO PROVINCE. Manitoba Hydro (1981) 1 p.

A colored map illustrating the present hydro electric generating stations and proposed sites in Manitoba.

MONTHLY ELECTRIC RATES. Manitoba Hydro (1983) 1 p.

Urban and rural electricity rates for Manitoba.

NELSON RIVER DC TRANSMISSION SYSTEM. Manitoba Hydro. (1977) 15 p.

An illustrated description of the Nelson River DC transmission system.

OPPORTUNITIES FROM NORTHERN HYDRO DEVELOPMENT. Manitoba Jobs Fund (1984). 9 p.

An outline of potential employment opportunities from the development of the Limestone Generating Station.

POWER FROM THE NORTH. Manitoba Hydro. (1983) 19 p.

A description of Manitoba's hydro electric generating stations along the Nelson and Churchill Rivers.

SELKIRK GENERATING STATION. Manitoba Hydro (1979) 12 p.

An illustrated description of the Selkirk Generating Station.

THE WINNIPEG RIVER. Manitoba Hydro (1980) 15 p.

An illustrated description of the Winnipeg River Generating Stations.

LOANS AND GRANTS:

BUSINESS C.H.E.C. Manitoba Energy and Mines. (1984) 1 p.

A provincial grant program aimed at businesses for reducing total energy consumption by at least 20%. The grant covers up to 50% of retrofit costs to a maximum of \$15,000.00.

BUY AND RENOVATE. Manitoba Housing (1984). 1 p.

An incentive for prospective Manitoba homebuyers. Reduced mortgage interest rates are offered for homes valued at \$35,000 or less which require at least \$10,000 for renovations.

CANADIAN HOME INSULATION PROGRAM (C.H.I.P.). Energy, Mines and Resources Canada. (1984) 1 p.

A federal insulation grant for homes constructed before September 1977. Funding covers 60% of insulation costs to a maximum of \$500.00.

COMMUNITY C.H.E.C. Manitoba Energy and Mines. (1984) 1 p.

A provincial grant program aimed at community facilities for reducing total energy consumption by at least 20%. The grant covers 50% of retrofit costs to a maximum of \$15,000.00.

CRITICAL HOME REPAIR PROGRAM. Manitoba Housing and Renewal Corporation. 1 p.

A Provincial incentive for home repairs for homeowners on low fixed incomes. Grants and loans are allocated according to the family or pensioners income. The potential total incentive for families is \$3,000 and for pensioners, \$1,500.

CUT HOME ENERGY COSTS LOAN PROGRAM. Manitoba Energy and Mines. (1984) 1 p.

A general outline of the Manitoba C.H.E.C. Loan Program for Residences.

CUT HOME ENERGY COSTS LOAN PROGRAM. Manitoba Energy and Mines. (1984) 20 p.

A detailed outline of residential conservation measures plus guidelines of the C.H.E.C. program.

ELECTRIC HEATING PROGRAM ALLOWANCES AND ASSISTANCE PLANS. Manitoba Hydro (1984). 1 p.

A \$200.00 incentive for homeowners converting to electricity from oil and retrofitting or building to double "E" standards.

ELECTRICAL MODERNIZATION PLAN. Manitoba Hydro (1980) 1 p.

An incentive administered by Manitoba Hydro to provide loans of up to \$2,000 to upgrade existing wiring for residences, farm and commercial customers.

ENERGY IDEAS SMALL SCALE ENERGY DEMONSTRATION PROGRAM. Manitoba Energy and Mines. (1984) 1 p.

An outline of conservation projects funded under the Manitoba, Small Scale Energy Demonstration Program.

CONSERVATION

St. Leon Rec. Centre Committee
South Interlake Regional Library
Westdale Community Centre
Birtle Curling Rink
COR Enterprises Ltd.
Village of Arborg

ENERGY MANAGEMENT

Lac du Bonnet Regional Library
Y.M.C.A. - Metropolitan Wpg.

HEAT RECOVERY

Brookdale Community Club
Crystal City Community Centre
Deloraine/Winchester Arena
Killarney Curling Club
Winkler Arena
Austin Curling Rink
Birtle District Community Centre
Mr. Al Christie
Mr. Daniel Hofer
Notre Dame Recreation Centre
Grand Rapids Indian Band

GROUNDWATER HEAT PUMPS

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Mr. George Davis
Scriptam Industries (Western) Ltd.
Mr. A. Thompson
Mr. D.A. Samuels
Mr. Lee Waters
Mr. B. Arnason
Mr. D.R. Halligan
Mr. M. Doyle
Mr. R. Dennis
Mr. Stan Watkins
Mr. W. Arnason
Sutherland Supply
Mr. John Kalyta

SOLAR

Mr. Guy Dugas
Royal Canadian Legion
Manitou & Community Swimming Pool
Mr. Alex Ross
Meadows Community Club
Neepawa Municipal Swimming Pool
W.C.O. Project Relie Inc.
Mr. Gundars Runfelds

SOLAR GREENHOUSE

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Mr. R. Loeb
Mr. R. Campbell

MISCELLANEOUS

Arco Holdings
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WOOD FURNACES

Dennis Walker
Mr. D. Ballageer

WIND

Mr. G. Dekker
Mr. & Mrs. A. Carriere
Mr. & Mrs. M. Klym
Wildon Resource Dev. Corp. Ltd.

ALTERNATE FUELS

Biomass Energy Institute Inc.
Mr. Allan Kennedy

GRAIN DRYING

Mr. N. Dashevsky

FOREST INDUSTRY RENEWABLE ENERGY (F.I.R.E.). Energy, Mines and Resources Canada. (1979) 10 p.

A brochure outlining the Federal "Forest Industry Renewable Energy" Program.

HOME C.H.E.C. UP. Manitoba Energy and Mines. (1984) 1 p.

A residential energy advisory service available to all Manitobans.

PROPANE VEHICLE GRANT PROGRAM. Energy, Mines and Resources Canada. (1984) 1 p.

A federal incentive for converting motor vehicles to propane eligible applicants qualify for a \$400.00 taxable grant.

THE R-2000 HOME. Energy, Mines and Resources Canada. (1982) 2 p.

An incentive for Canadian home builders to develop energy efficient construction techniques. Sponsored by the Housing and Urban Development Association of Canada and Energy, Mines and Resources.

RESIDENTIAL REHABILITATION ASSISTANCE PROGRAM - HOMEOWNERS. Canada Mortgage and Housing Corporation. (1983) 1 p.

A grant of loan program for residential repairs. Qualifying applicants must reside in a designated area and meet income restrictions.

RESIDENTIAL REHABILITATION ASSISTANCE PROGRAM - LANDLORDS. Canada Mortgage and Housing Corporation. (1983) 1 p.

A grant for landlords of rental units located in designated areas. Funding covers basic improvements such as structural, electrical, heating and fire safety.

STILL ON OIL. Energy, Mines and Resources Canada. (1982) 10 p.

A Federal incentive administered by the Provincial heating utilities for the conversion of oil heating systems to other renewable or non-renewable forms of energy. The taxable grant covers 50% of the conversion cost to a maximum of \$800.00 for residences and is somewhat higher for commercial and industrial establishments.

NON-RENEWABLE:

CANADIAN PETROLEUM INDUSTRY - 1980 MONITORING SURVEY. Energy, Mines and Resources Canada. (1980) 66 p.

Activities and financial performance of the oil and gas industry in Canada for 1980.

CANADIAN PETROLEUM INDUSTRY MONITORING SURVEY 1981. Energy, Mines and Resources Canada. (1982) 82 p.

Activities and financial performance of the oil and gas industry in Canada for 1981.

ENERGY UNDER THE SEA. Energy, Mines and Resources Canada. (1982) 28 p.

Exploration and production of petroleum on the Canadian Atlantic offshore.

MAJOR OIL AND GAS FIELDS AND PIPELINES IN CANADA. Energy, Mines and Resources Canada. (1979) 1 p.

A map illustrating Canadian oil and gas fields to 1979.

MANITOBA OIL ACTIVITY REVIEW 1983. Manitoba Energy and Mines. (1984) 33 p.

Produced by the Petroleum Branch, the review covers highlights of 1983, leasing of oil rights, exploration activity, production, reserves, revenue and a forecast for 1984.

OIL ACTIVITY REVIEW 1982. Manitoba Energy and Mines - Petroleum Branch. (1983) 25 p.

A summary of 1982 petroleum exploration and development, in Manitoba.

PETROLEUM IN CANADA. Energy, Mines and Resources Canada. (1979) 12 p.

A history of the petroleum industry in Canada.

NUCLEAR:

ASSESSING THE CONCEPT. Atomic Energy of Canada Limited. 1 p.

The management and disposal of nuclear waste.

ATOMS AT YOUR SERVICE. Atomic Energy of Canada Limited. (1974) 20 p.

How nuclear energy is produced, its uses and types of reactors.

BRUCE GENERATING STATION DATA - UNITS 1-4. Ontario Hydro. (1979) 1 p.

Background information on the Bruce Generating Station located in Bruce Township, Ontario.

BRUCE NUCLEAR POWER DEVELOPMENT. Atomic Energy of Canada Limited. 1 p.

Background information on the Bruce Generating Station located in Bruce Township, Ontario.

DARLINGTON GENERATING STATION. Ontario Hydro. (1981) 4 p.

Background information on the Darlington Generating Station located in Newcastle, Ontario.

DOUGLAS POINT NUCLEAR POWER STATION. Atomic Energy of Canada Limited. (1973) 1 p.

Background information on the Douglas Point Generating Station located near Kincardine, Ontario.

FUNDAMENTALS OF NUCLEAR POWER. Atomic Energy of Canada Limited. (1980) 16 p.

A basic understanding of the development and production of nuclear energy including a glossary of related terms.

HEAVY WATER. Atomic Energy of Canada Limited. (1979) 4 p.

The production and uses of heavy water.

LIVING WITH RADIATION. Atomic Energy of Canada Limited. (1981) 1 p.

A basic understanding of the different types of radiation.

MEASURING EARTHQUAKE ACTIVITY. Atomic Energy of Canada Limited. 1 p.

The importance of measuring earthquake activity throughout different parts of Canada for the safe disposal of nuclear wastes.

NUCLEAR ENERGY IN CANADA - THE CANDU SYSTEM. Atomic Energy of Canada Limited. (1981) 9 p.

An outline of the Candu nuclear power system including general performance and cost.

NUCLEAR FUEL WASTE. Atomic Energy of Canada Limited. 1 p.

Research and programs surrounding the disposal of nuclear fuel waste.

NUCLEAR POWER - CANDU REACTOR SAFETY. Atomic Energy of Canada Limited. (1980) 11 p.

Benefits, risks and safety of the Candu reactor.

NUCLEAR REACTOR SAFETY. Ontario Hydro. (1980) 16 p.

Safety standards for nuclear generating stations.

PICKERING GENERATING STATION. Ontario Hydro. (1979) 4 p.

Background information on the Pickering Generating Station located near Toronto, Ontario.

TRANSPORTATION OF NUCLEAR FUEL. Atomic Energy of Canada Limited. (1979) 10 p.

A report discussing the transportation of used fuel from nuclear reactors.

UNDERGROUND RESEARCH LABORATORY. Atomic Energy of Canada Limited. (1981) 1 p.

The development of the underground research laboratory located near Lac du Bonnet, Manitoba.

URANIUM, NUCLEAR POWER AND CANADA-U.S. ENERGY RELATIONS. C.D. Howe Research Institute. (1978) 71 p. \$4.00

The utilization of uranium for nuclear reactor stations with relation to Canada and the United States.

VISITOR'S GUIDE - WHITESHELL NUCLEAR RESEARCH STATION. Atomic Energy of Canada Ltd. (1982) 1 p.

A brief description of the Whiteshell Nuclear Research Station located in Pinawa, Manitoba.

WR-1 WHITESHELL REACTOR NO. 1. Atomic Energy of Canada Limited. (1973) 6 p.

Background information on the Whiteshell Nuclear Research establishment in Pinawa, Manitoba.

WHITESHELL NUCLEAR RESEARCH ESTABLISHMENT. Atomic Energy of Canada Ltd. (1982) 16 p.

An outline of research activities taking place at the Whiteshell Nuclear Research Establishment.

RESIDENTIAL GENERAL:

APARTMENT DWELLERS GUIDE. Manitoba Hydro. (1980) 12 p.

Tips to reduce energy costs for apartment dwellers.

ELECTRONIC AIR CLEANERS. Manitoba Hydro. (1983) 3 p.

The operation and efficiency of electronic air cleaners.

ENERFACTS - HOME ENERGY CONSERVATION CHECKLIST. Energy, Mines and Resources Canada. (1983) 2 p.

A checklist of residential energy conservation measures.

ENERGUIDE DIRECTORY 1983. Consumer and Corporate Affairs Canada. (1983) 106 p.

An annual publication listing energy consumption of major appliances manufactured in 1983.

THE GARBAGE BOOK. Energy, Mines and Resources Canada. (1979) 104 p.

How to reduce your energy costs by throwing away less, recycling items and minimizing the use of disposable products.

HOME IMPROVEMENTS SOLD DOOR TO DOOR. Manitoba Consumers Bureau. (1984) 1 p.

Consumer tips for hiring door to door contractors.

HOUSEHOLD APPLIANCE USAGE. Manitoba Hydro. (1982)

Energy consumption of household appliances.

JUST THE FACTS. Canadian Standards Association. 2 p.

Background information on the Canadian Standards Association and its Certification Division.

METRIC CONVERSION TABLES. Canada Mortgage and Housing Corporation. (1982) 16 p.

A conversion guide listing imperial and metric weights and measures.

100 WAYS TO SAVE ENERGY AND MONEY IN THE HOME. Energy, Mines and Resources Canada. (1975) 160 p.

A guide for reducing total energy consumption in the home.

OUTDOOR SWIMMING POOL HEATER SIZING GUIDE. Manitoba Hydro. (1983) 3 p.

Recommendations for sizing outdoor swimming pool heaters.

RESIDENTIAL AIR CONDITIONING. Manitoba Hydro. (1983) 6 p.

Tips for selecting, installing and maintaining room air conditioning units.

RESIDENTIAL TIME CLOCKS. Manitoba Hydro. (1982) 1 p.

Background information on different types of residential time clocks.

SUMMER COTTAGES. Manitoba Hydro. (1980) 20 p.

How to design and construct summer cottages with energy efficient building techniques.

SWIMMING POOLS. Manitoba Hydro. (1980) 8 p.

Tips on installing and maintaining outdoor residential swimming pools.

USING ENERGY EFFICIENTLY. Manitoba Hydro. (1983) 5 p.

General tips for conserving energy in the home.

RETROFIT:

AIR INFILTRATION MEASURING DEVICE. Manitoba Energy and Mines. (1982) 1 p.

The development and testing of the air infiltrometer for detecting air infiltration in residences.

Project #7 (80-1) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

AIR LEAKAGE PROBLEMS IN YOUR HOME. Manitoba Hydro. (1982) 7 p.

Detecting and sealing areas of air infiltration in a home.

AIR VAPOUR BARRIERS AND INSULATION BETWEEN FLOORS AND MULTI-STOREY HOMES (RETROFIT). Manitoba Hydro. (1984) 1 p.

A detailed description of sealing and applying vapour barriers to retrofit housing.

AIR VAPOUR BARRIERS AND INSULATION IN CEILINGS AND WALLS (RETROFIT). Manitoba Hydro. (1984) 8 p.

The proper installation of vapour barriers and ventilation for ceilings and walls in retrofit housing.

AIR VAPOUR BARRIERS AND INSULATION IN CRAWLSPACES. Manitoba Hydro. (1982) 3 p.

Practical applications of vapour barriers and insulation for crawlspaces.

AIR VAPOUR BARRIERS AND INSULATION ON GRADE SLABS. Manitoba Hydro. (1982) 1 p.

How to seal and insulate grade slab foundations.

ATTIC CONDENSATION. Manitoba Hydro. (1983) 5 p.

The cause of residential attic condensation and practical methods of alleviating the problem.

ATTIC VENTILATION IN HOMES. Manitoba Hydro. (1983) 1 p.

Proper installation of attic ventilation after re-insulating.

CELLULOSE FIBRE INSULATION. Energy, Mines and Resources Canada. (1983) 1 p.

Characteristics and uses of cellulose fibre insulation.

CENTRAL EXHAUST SYSTEMS IN HOMES. Manitoba Hydro. (1983) 1 p.

Background information on central exhaust systems, for humidity control and heat recovery.

CONDENSATION IN THE HOME - WHERE, WHY AND WHAT TO DO ABOUT IT. Canada Mortgage and Housing Corporation. (1982) 30 p.

Practical methods of preventing and controlling condensation in residences.

CRAWL SPACE VENTILATION. Manitoba Hydro. (1983) 1 p.

How to avoid crawl space condensation by installing a moisture barrier and adequate ventilation.

A DOUBLE WALL RETROFIT PROJECT. Ike Warkentin. (1982) 31 p.

Steps taken to perform a double wall retrofit on a Winnipeg home constructed in 1906.

ENERFACTS - CAULKING. Energy, Mines and Resources Canada. (1983) 4 p.

Details for caulking infiltration areas in a home plus a list of caulking compounds to be used.

ENERFACTS - IMPROVING THE ENERGY EFFICIENCY OF WINDOWS. Energy, Mines and Resources Canada. (1983) 2 p.

Methods of improving windows to increase their energy efficiency.

ENERFACTS: INSULATION SUMMARY. Energy, Mines and Resources Canada. (1982) 1 p.

A summary of insulation types outlining advantages, limitations and applications.

ENERFACTS - RETROFITTING COMPACT ROOFS FOR ENERGY CONSERVATION. Energy, Mines and Resources Canada. (1983) 2 p.

Technical considerations for insulating cathedral ceilings and flat roofs.

ENERFACTS: RETROFITTING YOUR MOBILE HOME. Energy, Mines and Resources Canada. (1982) 4 p.

A step-by-step guide for reducing energy consumption in mobile homes, by sealing air leaks and re-insulating.

ENERGY CONSERVATION AND ROOFS. B.P.N. #6. National Research Council. (1977) 16 p.

A study to determine the cost effectiveness of adding additional roof insulation to commercial, industrial and residential buildings.

ENERGY DEMO OPEN HOUSE PROFILES. Manitoba Energy and Mines. (1983) 1 p.

A residential retrofit grant program designed to assist 120 Manitoba homeowners reduce their energy consumption by at least 40%.

Profiles Available:

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| - Anderson Residence | - Burdey Residence |
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| - Hoem Residence | - Miller Residence |
| - Pezzolla Residence | - Oliver Residence |
| - Spelmer Residence | - Puchniak Residence |
| - Stephenson Residence | - Warsaba Residence |
| - Thompson Residence | - Wight Residence |
| | - Stewart Residence |

Project # 33 (82-125) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

ENERGY EFFICIENT RETROFIT OF OLDER HOME. Manitoba Energy and Mines. (1982) 1 p.

Retrofitting an older home to determine increased energy efficiency by adding a continuous vapour barrier, basement insulation, weather sealing and an exterior double wall.

Project #25 (81-66) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

AN EVALUATION OF THE EFFECTIVENESS OF AIR LEAKAGE SEALING: ENER-CORP MANAGEMENT LTD. Manitoba Energy and Mines. (1983) 50 p.

A report outlining air leakage sealing techniques implemented in 82 Manitoba homes and its effectiveness in reducing infiltration and energy consumption.

Project #4 (80-3) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

GLASS FIBRE. Energy, Mines and Resources Canada. (1983) 1 p.

Characteristics and uses of glass fibre insulation.

HOW TO AVOID INSULATION RIP-OFFS. Energy, Mines and Resources Canada. 6 p.

Precautionary measures to take when hiring an insulation contractor.

HOW TO HIRE A CONTRACTOR. Canada Mortgage and Housing Corporation. (1981) 27 p.

Steps to take when hiring a contractor including the contract itself and consumer protection.

HOW TO WEATHERSTRIP AND CAULK YOUR HOME. Manitoba Energy and Mines. (1982) 27 p.

A guide to weatherstripping and caulking your home plus a list of different types of weatherstripping and caulking materials available and where to use them.

INFRARED - AN ENERGY TOOL. United States Department of Energy - Office of Public Affairs. 6 p.

The principles of using infrared cameras as a heat loss detection device.

INSULATED WINDOWS SHUTTERS. B.P.N. #17. National Research Council. (1980) 3 p.

A report on optional methods of insulating windows.

INSULATION AFTERMATH. Ontario Marketing Productions. (1982) 79 p. \$8.95

A step by step guide for residential retrofit by Jon Eakes.

INSULATION RETROFITTING - A CASE HISTORY. B.P.N. #21. National Research Council. (1981) 23 p.

A case study of an older home in the Ottawa Area before and after retrofit measures were performed.

KEEPING THE HEAT IN. Energy, Mines and Resources Canada. (1983) 112 p.

A step by step practical guide to sealing and insulating residential buildings.

MINERAL WOOL. Energy, Mines and Resources Canada. (1983) 1 p.

Characteristics and uses of mineral wool insulation.

POLYSTYRENE. Energy, Mines and Resources Canada. (1983) 3 p.

Characteristics and uses of rigid and loose polystyrene insulation.

POLYURETHANE. Energy, Mines and Resources Canada. (1983) 3 p.

Characteristics and uses of polyurethane insulation.

MOISTURE PROBLEMS IN HOUSES. National Research Council (1984). 3 p.

Causes of excessive moisture problems in homes and remedial measures.

MOULDED POLYETHYLENE AIR VAPOUR BARRIER BOXES. Manitoba Hydro. (1982) 1 p.

Installation procedures for moulded polyethylene air vapour barrier boxes.

POLYURETHANE FOAM AS A THERMAL INSULATION: A CRITICAL EXAMINATION.
B.R.N. #124. National Research Council. (1978) 6 p.

General characteristics of polyurethane insulation and specific problems encountered with the spray-on type.

PUBLIC HOUSING RETROFIT. Manitoba Energy and Mines. (1982) 1 p.

The retrofit and study of 100 identical homes using 4 different techniques to determine which technique reduces energy consumption the most.

Project #5 (80-27) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

RESIDENTIAL AIR INFILTRATION TEST AND SEALING. Manitoba Energy and Mines.
(1982) 1 p.

A five year study to determine air infiltration rates and fuel consumption of 100 homes before and after sealing, caulking and weatherstripping measures are performed.

Project #4 (80-3) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

RETROFITTING TO "DOUBLE E" STANDARDS. Manitoba Hydro. (1983) 32 p.

A step-by-step guideline for residential retrofit, using the "Double E" standards developed by the Canadian Electrical Association.

THE SUPER-INSULATED RETROFIT BOOK: A HOMEOWNER'S GUIDE TO ENERGY EFFICIENT RENOVATION. Renewable Energy in Canada. (1981) 208 p. \$11.95

A practical guide to exterior and interior residential retrofit including a number of case studies and retrofit measures implemented with results.

SURVEYING AN OLDER HOUSE: INSPECTION CHECKLIST B.P.N. #47 National Research Council (1984) 13 p.

A general inspection checklist for potential buyers of older homes.

TENANCY TALK: A CASE OF CONDENSATION. Manitoba Office of the Rentalsman. (1979) 6 p.

Steps to reduce condensation in the home.

TOWARDS THE BIGGEST RETURN FOR YOUR INVESTMENT. Manitoba Hydro. (1982) 1 p.

An outline of energy savings achieved by performing retrofit measures in existing housing.

VERMICULITE. Energy, Mines and Resources Canada. (1983) 1 p.

Characteristics and uses of vermiculite insulation.

WINDOWS & DOORS. Manitoba Hydro. (1981) 3 p.

Sealing windows and doors to prevent air infiltration and condensation.

THE WINSULSHADE - QUILTED INSULATION BLIND. Canada Mortgage and Housing Corporation (1982) 4 p.

The effectiveness and performance of the Winsulshade blind for reducing heat loss in residences.

SOLAR:

BACKGROUND INFORMATION ON SOLAR GREENHOUSES. Saskatoon Energy Conservation Information Centre. 5 p.

Design considerations for constructing a solar greenhouse.

BUILD A SOLAR GREENHOUSE. NOVA - An Alberta Corporation. (1983) 1 p.

Insulation and design considerations for a solar greenhouse.

BUILDING A SOLAR INDUSTRY: SOLAR ENERGY PROGRAMS AT PUBLIC WORKS CANADA. Public Works Canada. (1982) 16 p.

An outline of the programs Public Works Canada is involved with for the development of solar energy.

CANADIAN SOLAR DIRECTORY. Solar Energy Society of Canada Incorporated. (1981) 27 p. \$1.20

A guide to solar related companies in Canada.

FACTS ON SOLAR ENERGY: ACTIVE SOLAR HEATING. National Research Council. (1982) 5 p.

Applications of water and air, active solar heating systems.

FACTS ON SOLAR ENERGY: ENERGY STORAGE IN SOLAR HEATING SYSTEMS. National Research Council. (1982) 3 p.

Energy storage systems used for active and passive solar energy.

FACTS ON SOLAR ENERGY: A LOOK AT SOLAR ENERGY. National Research Council. (1982) 3 p.

The principles of solar energy with a brief explanation of conduction, convection and radiation.

FACTS ON SOLAR ENERGY: PASSIVE SOLAR HEATING SYSTEM. National Research Council. (1982) 4 p.

A brief outline describing four types of passive solar heating systems.

FLOATING SWIMMING POOL COVERS FOR ENERGY CONSERVATION. B. C. Hydro. (1979)
1 p.

Types of swimming pool covers, and their effectiveness in retaining solar heat.

HOW TO BUILD A SOLAR WATER HEATER. Brace Research Institute. (1979) 18 p.
\$1.50

A step by step guide to building a solar domestic water heater.

PASSIVE SOLAR HEATING STUDIES AT THE DIVISION OF BUILDING RESEARCH.
B.R.N. #188. National Research Council. (1982) 10 p.

Construction techniques used to design the National Research Council passive solar test facility and the studies that are presently being conducted.

THE POTENTIAL FOR SOLAR ENERGY IN POOL HEATING IN CANADA 1980-2000. Energy, Mines and Resources Canada. (1980) 43 p.

A study to determine the feasibility of using solar energy to heat swimming pools.

REPORT ON AN ASSESSMENT OF THE POTENTIAL OF SOLAR ENERGY IN MANITOBA.
Manitoba Energy and Mines. (1981) 81 p.

A report to assess the potential of all aspects of solar energy for use in Manitoba.

A SIMPLE METHOD FOR DETERMINING THE HEATING REQUIREMENTS OF DIRECT GAIN PASSIVE SOLAR HOUSES. B.R.N. #195. National Research Council. (1982)
15 p.

A guide for residential house designers, for determining heating requirements for passive solar dwellings.

SOLAR HEAT STORAGE - THE ROCK BIN AS A HEAT RESERVOIR. Canada mortgage and Housing Corporation. (1983) 4 p.

Practical applications of residential passive solar heating using rock bin for thermal storage.

SOLAR HEATED SWIMMING POOL. Manitoba Energy and Mines. (1980)
1 p.

The installation of an active solar water heater in the Winkler outdoor swimming pool.

Project #1 (80-26) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

SOLAR HEATED SWIMMING POOL - DELORAINE, MANITOBA. Manitoba Energy and Mines. (1983) 22 p.

The Final Report of the active solar heating system installed at the Deloraine Swimming Pool to heat domestic water for the showers as well as the swimming pool.

Project #8 (80-10) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

SOLAR HEATED SWIMMING POOL - WINKLER, MANITOBA. Manitoba Energy and Mines. (1983) 6 p.

The Final Report of the active solar water heating system installed at the Winkler outdoor swimming pool.

Project #1 (80-26) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

SOLAR HEATING FOR SWIMMING POOLS. Ontario Government Bookstore. (1982)
33 p. \$3.00

Solar heating swimming pools using different types of collectors and the economics of the various systems.

SOLAR HEATING - SWIMMING POOL. Manitoba Energy and Mines. (1981) 1 p.

The implementation of an active solar heating system for the Town of Deloraine's outdoor swimming pool.

Project #8 (80-10) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

SOLAR HEATING SYSTEM FOR CANADIAN BUILDINGS. B.R.N. #104. National Research Council. (1977) 22 p.

A study to determine the economic feasibility of solar heating systems versus conventional forms of heating and guidelines for selecting a solar system.

SOLAR HOT WATER...A HOMEOWNER'S GUIDE. Energy, Mines and Resources Canada.
(1982) 14 p.

The application and operation of solar domestic hot water systems for residences.

THE SOLARIUM PRIMER. National Research Council. (1981) 32 p. \$3.95

Background information on developing a solarium.

SOLPLAN II - SOLAR ENERGY FOR EXISTING HOUSES. The Drawing-Room Graphic Services Limited. (1978) 40 p. \$4.00

A workbook for adding solar heating systems to existing homes.

SOLPLAN V - ENERGY CONSERVING SOLAR HOUSES FOR CANADA. The Drawing-Room Graphic Services Limited. (1981) 80 p. \$5.95

Design features and floor plans for energy efficient passive solar homes.

SUN POWER - WIND POWER. National Research Council. 1 p.

Background information on how solar and wind energy are produced.

SYSTEMS REPORT - SOLAR APARTMENT BUILDING - AYLMER, ONTARIO. Ontario Ministry of Energy. (1982) 26 p. \$3.00

A description and evaluation of the solar heating system installed at a 30 unit senior citizens complex.

UTILIZATION OF SOLAR GAIN THROUGH WINDOWS FOR HEATING HOUSES. B.R.N. #184. National Research Council. (1982) 19 p.

A study to determine useful solar gain through various types of windows and houses throughout Canada.

VASSAR SOLAR HEATED SWIMMING POOL. Manitoba Energy and Mines.
(1982) 1 p.

To replace the liquid petroleum gas heater at the Vassar swimming pool with an active solar collector and solar blanket.

Project #30 (82-115) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

TRANSPORTATION:

ARE YOU AN ENERGY EFFICIENT DRIVER. Manitoba Energy and Mines. (1984)
14 p.

A test for automobile drivers to determine the energy efficiency of their driving habits.

ARE YOU AND ENERGY EFFICIENT TRUCK DRIVER. Manitoba Energy and Mines.
(1984) 12 p.

A test for commercial truck drivers to determine the energy efficiency of their driving habits.

THE CAR ECONOMY BOOK. Energy, Mines and Resources Canada. (1980) 91 p.

Tips on buying, driving and maintaining your automobile.

CAR ECONOMY CALCULATOR. Energy, Mines and Resources Canada. (1981)

A pocket size conversion slide rule, plus a log for recording fuel consumption of motor vehicles.

CAR WARMERS AND ENGINE BLOCK HEATERS - ENERGY COSTS. Manitoba Hydro.
(1983) 1 p.

Energy consumption and cost of operating interior car warmers and block heaters.

COMMUTER VAN POOLING OPERATIONS GUIDE FOR EMPLOYERS. Chrysler Canada Limited. (1979) 27 p.

An operating guide to commuter vanpooling based on a system implemented by Chrysler Canada.

CNG - THE NATURAL ALTERNATIVE TO GASOLINE (BROCHURE). British Columbia Ministry of Universities, Science and Communications. 1 p.

General background information for converting conventional motor vehicles to compressed natural gas.

AN EMPLOYERS GUIDE TO VANPOOLING. Manitoba Energy and Mines. (1983) 6 p.

The advantages of implementing a vanpool operation from an employers stand point.

THE FEASIBILITY OF CONVERSION TO NON-PETROLEUM POWER SOURCES. Manitoba Energy and Mines. (1983) 205 p.

The Final Report of a study conducted to determine the present and future energy requirements and the potential of developing non-petroleum power sources for the Winnipeg Public Transit System.

Project #16 (80-25) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

FUEL CONSUMPTION GUIDE. Transport Canada. (1982, 1983, 1984)

An annual guide listing fuel consumption of cars and trucks manufactured in that specific year.

GASOHOL AND PROPANE FLEET TEST. Manitoba Energy and Mines. (1982) 1 p.

A study to determine the feasibility of using propane and gasohol for commercial vehicles in various areas of Manitoba.

Project #2 (80-18, 80-19) under the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

GASOHOL FLEET TEST. Manitoba Energy and Mines. (1983) 78 p.

The final report of a demonstration to determine the feasibility of using gasohol in commercial vehicles.

Project #2 (80-18) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

METHANOL VEHICLE FUEL TEST. Manitoba Energy and Mines. (1982) 1 p.

A test to demonstrate the effectiveness and efficiency of using methanol based fuels for motor vehicles, in Manitoba.

Project #21 (81-51) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

POTENTIAL OF ETHANOL AS A MOTOR VEHICLE FUEL. United States General Accounting. (1980) 28 p. \$3.25

A study to determine the feasibility of producing ethanol to be used as a motor vehicle fuel.

PROPANE CARBURETION - SOME TECHNICAL CONSIDERATIONS. Energy, Mines and Resources Canada. (1983) 13 p.

Background information on converting a conventional automobile to propane, plus vehicle operation.

PROPANE FLEET TEST. Manitoba Energy and Mines. (1983) 32 p.

The final report of a demonstration to determine the feasibility of using propane in commercial vehicles.

Project #2 (80-19) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

RIDESHARING: A CONCEPT WHOSE TIME HAS COME. Manitoba Energy and Mines. (1983) 6 p.

The advantages of implementing carpools for employees.

ROAD SPEED GOVERNORS AND ANTI-IDLING DEVICES. Manitoba Energy and Mines. (1984) 1 p.

A test to determine reduced fuel consumption and efficiency of road speed governors and anti-idling devices for commercial trucking fleets.

Project #47 (82-134) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

ROUTE OPTIMIZATION. Manitoba Energy and Mines. (1982) 1 p.

A study to develop a program for route optimization in urban areas, rural distribution systems and a school bus operation.

Project #22 (81-83) under the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

ROUTE OPTIMIZATION STUDY. Manitoba Energy and Mines. (1984) 56 p.

The final report of a study to determine the feasibility of developing programs for route optimization in urban areas, rural distribution systems and a school bus operation.

Project #22 (81-83) of the Manitoba/Canada Conservation and Renewable Energy Agreement.

TRUCKER'S GUIDE TO ENERGY CONSERVATION. Canadian Trucking Association.
(1980) 21 p.

A maintenance and operating guide for improving energy efficiency in commercial trucks.

VANPOOLING. Manitoba Energy and Mines. (1982) 1 p.

A demonstration to show the feasibility of implementing vanpool systems.

Project #23 (80-8) of the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

VANPOOLING - A FLEXIBLE ALTERNATIVE FOR COMMUTERS. Energy, Mines and Resources Canada. (1982) 1 p.

General background information on vanpooling listing employer and employee benefits.

WINNIPEG TRANSIT - FEASIBILITY OF CONVERSION TO NON-PETROLEUM POWER SOURCES. Manitoba Energy and Mines. (1982) 1 p.

A study to determine present and future energy requirements and the potential of developing non-petroleum power sources for the Winnipeg Public Transit System.

Project #16 (80-25) under the Manitoba/Canada Conservation and Renewable Energy Demonstration Agreement.

WIND:

ATLANTIC WIND TEST SITE. Atlantic Wind Test site. (1980) 1 p.

Performance and research from the Atlantic Wind Test Site in Prince Edward Island.

DEVELOPMENT, INSTALLATION & TESTING OF WIND TURBINE DIESEL HYBRID. Ontario Government Bookstore. (1979) 89 p. \$3.00

A study to determine methods of producing electrical power from the wind for remote communities.

SUN POWER/WIND POWER. National Research Council. (1980) 1 p.

General background information on the principles of wind and solar energy.

WIND POWER IN ALBERTA. Alberta Research Council. (1976) 100 p. \$2.00

An introduction to the basics of wind power and its application in Alberta.

APPENDIX A

VERTICAL FILES

AGRICULTURE

AIR CONDITIONING

ALCOHOL FUELS #1

ALCOHOL FUELS #2

APPLIANCES

ATOMIC ENERGY #1

ATOMIC ENERGY #2

ATOMIC ENERGY #3

BIOMASS

CANADA - COAL

CANADA - ENERGY CONSERVATION

CANADA - ENERGY RESEARCH AND DEVELOPMENT

CANADA - HYDRO ELECTRIC POWER

CANADA - NATIONAL ENERGY PROGRAM #1

CANADA - NATIONAL ENERGY PROGRAM #2

CANADA - NATIONAL ENERGY PROGRAM #3

CANADA - NATURAL GAS #1

CANADA - NATURAL GAS #2

CANADA - OIL #1

CANADA - OIL #2

CANADA - OIL #3

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COMPRESSED NATURAL GAS

DEGREE DAYS

DISTRICT HEATING

ENERGY BUS

ENERGY CONSERVATION - CITY PLANNING

ENERGY CONSERVATION - COMMERCIAL AND INDUSTRIAL

ENERGY CONSERVATION MATERIALS - TAX EXEMPT

ENERGY EDUCATION

ENERGY EFFICIENT HOMES #1

ENERGY EFFICIENT HOMES #2

ENERGY INFORMATION CENTRES

GEOTHERMAL ENERGY

GREENHOUSE EFFECT

HEAT EXCHANGERS AND HEAT PUMPS

HEATING

HUMIDITY AND VENTILATION

HYDROGEN

INFILTRATION

INSULATION

LIGHTING

LOANS AND GRANTS - ENERGY CONSERVATION

LOG HOMES

MANITOBA - ALCAN #1

MANITOBA - ALCAN #2

MANITOBA - ALCOA

MANITOBA - ENERGY CONSERVATION

MANITOBA - ENERGY CONSUMPTION
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MANITOBA - HYDRO ELECTRIC POWER #2
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MANITOBA - NATURAL GAS
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MOBILE HOMES
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PEAT
PETRO-CANADA
PROPANE
RETROFIT
SOLAR ENERGY - ACTIVE
SOLAR ENERGY - PASSIVE
SOLAR ENERGY - WATER, POOLS, MISC.
SOLAR GREENHOUSES
THERMOCOUPLES
THERMOGRAPHY
TRANSPORTATION #1
TRANSPORTATION #2
UNDERGROUND HOMES
U.S. - NATURAL GAS
U.S. - OIL
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UREA FORMALDEHYDE FOAM INSULATION #2
WATER HEATERS

WIND POWER

WINDOWS AND DOORS

WOOD HEATING - FIREPLACES, GENERAL INFORMATION

WOOD HEATING - STOVES AND CHIMNEYS

APPENDIX B

PERIODICALS

ALTERNATE SOURCES OF ENERGY

BIO-JOULE

CANADIAN CONSUMER

HARROWSMITH

SCIENCE DIMENSION

APPENDIX C

PUBLICATIONS SOURCE LIST

Access Books
121A Avenue Road
Toronto, Ontario.
M5H 2G3

Agriculture Canada
Communications Branch
Ottawa, Ontario.
K1A 0C7

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9718 - 107th Street
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Alberta Energy & Natural Resources
2nd Flr. Highfield Place
10010 - 106 Street
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11315 - 87th Avenue
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American Society for Testing & Materials
1916 Race Street
Philadelphia, Pennsylvania.
U.S.A.

American Society of Photogrammetry
105 North Virginia Avenue
Falls Church, Virginia. 22046
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Atlantic Wind Test Site
P.O. Box 189
Tignish, Prince Edward Island.
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Pinawa, Manitoba.
R0E 1L0

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17 Dunster Street
Harvard Square
Cambridge, Massachusetts. 02138
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The Biomass Energy Institute
1329 Niakwa Road
Winnipeg, Manitoba.
R2J 3T4

Brace Research Institute
McDonald College
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Ste. Anne de Belleville Sud
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Science & Technology Branch
Third Flr. - 756 Fort Street
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1111 Howe Avenue
Sacramento, California. 95825
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Canada Mortgage & Housing Corporation
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580 - #1 Westmount Square
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Place du Portage
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11 Laurier Street
Hull, Quebec.
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Ottawa, Ontario.
K1A 0S9

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Canadian Trucking Association
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Ottawa, Ontario.
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Canadian Wood Council
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Ottawa, Ontario.
K1P 6A4

Canadian Wood Energy Institute
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Don Mills, Ontario.
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P.O. Box 1621
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N9A 4H6

Consumer & Corporate Affairs Canada
201 - 260 St. Mary Avenue
Winnipeg, Manitoba.
R3C 0M6

Consumer Bureau
307 Kennedy Street
Winnipeg, Manitoba.
R3C 0V8

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V7L 4L2

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3500 Bathurst Street
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M6A 2C6

Energy, Mines & Resources Canada
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Ottawa, Ontario.
K1A 0E4

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100 College Avenue
Toronto, Ontario.
M5G 1L5

Environment Canada
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Canadian Forestry Service
11th floor, Place Vincent Massey
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Environment Canada
Enquiry Centre, Information Directorate
Ottawa, Ontario.
K1A 0H3

Environment Canada
Lands Directorate
Ottawa, Ontario.
K1A 0H3

Environmental Information Centre of the
Florida Conservation Foundation Inc.
Suite E - 935 Orange Avenue
Winter Park, Florida. 32789
U.S.A.

Fitzhenry & Whiteside
150 Lesmill Road
Don Mills, Ontario.
M3B 2T5

Franklin Institute Press
Philadelphia, Pennsylvania.
U.S.A.

Garden Way Publishing Company
Charlotte, Vermont. 05445
U.S.A.

The Globe & Mail
Division of Canadian Newspapers Company Ltd.
444 Front Street, West
Toronto, Ontario.
M5V 2B4

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Planning & Development Department
71 Main Street West
Hamilton, Ontario.
L8P 1H4

Harrowsmith Magazine
Camden East, Ontario.
K0K 1J0

C. D. Howe Research Institute
2064 Sun Life Bldg.
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Montreal, Quebec.
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Charlottetown, Prince Edward Island.
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Succursale Delorimier
Montreal, Que.
H2H 2N7

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Vancouver, B.C.
V6P 4G1

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55 Barker Greene Road
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M3C 2A1

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Winnipeg, Manitoba.
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1181 Portage Avenue
Winnipeg, Manitoba.
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Manitoba Energy & Mines
Information Centre
117 - 234 Donald St.
Winnipeg, Manitoba.
R3M 1N8

Manitoba Labour & Manpower
Mechanical & Engineering Branch
Room 500 - Norquay Bldg.
401 York Avenue
Winnipeg, Manitoba.
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Manitoba Housing & Renewal Corporation
247 Broadway Avenue
Winnipeg, Manitoba.
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Manitoba Hydro
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307 Kennedy Street
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E3B 5H1

Newfoundland Department of Mines & Energy
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St. John's, Newfoundland.
A1C 5T7

Northwest Territories Government Services
Energy Conservation Division
Yellowknife, Northwest Territories.
X1A 2L9

Northwest Territories Public Works
Energy Conservation Division
Yellowknife, Northwest Territories.
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NOVA - An Alberta Corporation
P.O. Box 2330
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T5J 2R1

Nova Scotia Department of Mines & Energy
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Publication Department
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Toronto, Ontario.
M7A 2B7

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Public Works Canada
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Room A-3344, Sir Charles Tupper Bldg.
Confederation Heights
Ottawa, Ontario.
K1A 0N2

Renewable Energy in Canada
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